

February 27, 2012

(1) Chemical and physical form and maximum quantity of byproduct material in each product;

AMERICIUM - 241

Physical Form:

Foil, as manufactured by NRD, and identified per Registration No. NRD A-001. This material supplied to MS Sedco, Inc. as a component, an ionization chamber housing for smoke detectors as supplied by Nemoto & Company, Ltd., Tokyo, Japan, Model NIS-09C (see Exhibit No. 1). Each individual chamber to contain approximately 0.9 $\mu$ Ci.

Maximum Possession Limit:

Maximum possession limit - 9mCi with no single source to exceed a nominal 0.9 $\mu$ Ci each.

(2) Details of construction and design of each product;

See MSS-309

(3) The method of containment or binding of the byproduct material in the product;

See MSS-309

(4) Procedures for and results of prototype testing to demonstrate that the material will not become detached from the product and that the byproduct material will not be released to the environment under the most severe conditions likely to be encountered in normal use of the product;

See MSS-309

(5) Quality control procedures to be followed in the fabrication of production lots of the product and the quality control standards the product will be required to meet;

See MSS-309

(6) The proposed method of labeling or marking each unit, except timepieces or hands or dials containing tritium or promethium-147, and its container with the identification of the manufacturer or initial transferor of the product and the byproduct material in the product;

See MSS-309

(7) For products for which limits on levels of radiation are specified in § 30.15 of this chapter, the radiation level and the method of measurement;

(8) Any additional information, including experimental studies and tests, required by the Commission to facilitate a determination of the safety of the product.

(c) Each product will contain no more than the quantity of byproduct material specified for that product in § 30.15 of this chapter. The levels of radiation from each product containing byproduct material will not exceed the limits specified for that product in § 30.15 of this chapter.

(d) The Commission determines that the byproduct material is properly contained in the product under the most severe conditions that are likely to be encountered in normal use and handling.